Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

(For Other Works)

No: 2nd & Part Bill

Date.....2018

Division: **Project** Sub-Division: **Project**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Work Code: 008-18-000022

Schedule Docket No. Head of Account: **P3295 (14th Finance Commission UGD works)** Est.Cost: **75.00 lakhs**

Name of Work: Improvements to Sanitary works in Ward No.08, Kodigehalli.

Name of Contractor and Full Address: **M/s. KRIDL**

Reference to Agreement No.: **38/2018-19** **Date:13-12-2018**

Reference to Work Order No. : **EE(Project)/Ynk Zone/W.O/38/2018-19** **Date: 13-12-2018**

Certified that the measurements were taken by me on **17-09-2019** and recorded of Pages **382685 to 382689** of measurement Book No. **04/2019-20** and that the work is satisfactorily executed.

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP, Bangalore

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 17/09/2019 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Total RS.	5671044.9=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	1st & Part	220 6258=00
3)	" Balance	Total Rs	3464791=00
4)	Deduct Payment:		
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of	Amount adjusted 2% IT	69296=00
		1% Cess	34648=00
		0.1% CBF	3465=00
	b) Payments Now made { cost store or other material supplied.	LR	81020=00
	{ recovery of amount creditable to this/other work	FSD	173240=00
	{ Amount paid on this bill Cheque / Cash.	CGST	30936=00
5)	Balance being unpaid value of work done held in reserve.	SGST	30936=00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	unadjustments items.	7000=00
7)	Net amount due to or from Contractor	fine	430541=00
8)	Advance to Contractor for materials brought to site (as detailed) within.	Adj	3034250=00
9)	Value of Government materials supplied.	Total amount adjusted	
		Cheque	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP, Bangalore

(For use in the Office)

Witness

1.

2.

Dated

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP, Bangalore

Signature of Contractor

Stamp

Audited & Admitted for Rs.....

Rs. 34,64,791/-

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Rs. 30,34,250/- by Cheque

and Rs. 4,30,541/- by Adjustment

Executive Engineer

Accts. Supdt. Project Division B.B.M.P.

Exe. Engineer Project Division B.B.M.P

11/x/19

BRUHATH BANGALORE MAHANAGARA PALIKE
PROJECT DIVISION:YALAHANKA

Bill No : 2nd and Part Bill

Job Code :- 008-18-000022

Name of Agency :- M/s KRIDL

Name Of work : - Improvements to Sanitary works in Ward No.08, Kodigehalli

Item No	Description of Item of Work	Unit	BOQ Qty	BOQ Rate	Previous Measurement		Present Measurement		Total Up do date		Remarks
					Qty	Amount	Qty	Amount	Qty	Amount	
1	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.18 of CSR 2018-19)	Cum	262.71	590.42	117.50	69376.71	4.86	2869.44	122.36	72246.15	
2	Cutting road surfaces for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the classifications for:. in the following classifications.Cutting Asphalt Road (BWSSB SR 16-17, P.9 I No.16)	Cum	307.85	894.00	82.55	73796.62	76.14	68069.16	158.69	141865.78	
3	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring,strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for: Pipes of all dia. for depth upto 2.0 M in all types of soils(BWSSB SR 17-18, P.51, I No.1.1)	Cum	2985.07	167.00	1231.38	205640.76	1355.40	226351.80	2586.78	431992.56	
4	Supplying, lowering, laying, jointing, testing and commissioning of Glazed Stone Ware Pipes of following dia, conforming to IS 651:1992,IS 4127 with latest amendments, including conveying to work site, caulking with hemp dipped in tar and jointing with CM 1:1.5 using OPC, perfect linking and curing for 10 days and testing with water etc. with all lead, lifts and as per Technical Specifications. The cost to include the cost of all jointing materials, necessary survey works for laying of sewer lines etc. complete. The contractor will make own arrangements for procuring water for testing.230 mm dia. pipes(BWSSB SR 17-18, P.157 I.No 3.4)	Rmt	1678.20	523.00	736.00	384928.00	573.00	299679.00	1309.00	684607.00	

5	Labour charges for laying and jointing glazed stone ware pipes of 0.6m length and of specified dia., of tested quality conforming to IS 651 of 1965 including caulking with hemp yarn, jointing with CM 1:2 and testing with water etc. complete for: (Rate to include cost of jointing materials and transportation of pipes from store work site but excluding the cost of earth work) - Glazed Stone Ware pipe of 230 mm dia (P.No 159 I .No.7.3 BWSSB 2017-18)	Rmt	1678.20	108.00	736.00	79488.00	393.00	42444.00	1129.00	121932.00	
6	Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS:458-1988 with latest amendments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials including cost of specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and giving necessary hydraulic test as per ISS to the required pressure and commissioning etc. complete. (Contractor will make his own arrangements for procuring water for testing). Before the execution of the work, the contractor shall carry out the survey and will be paid extra for the same as per seperate item.: RCC NP3 Class pipe of 300 mm dia. (Pg.No.158 , I.No. 5.2 of PW, P&IWTD SR 2017 - 18)	Rmt	417.00	1659.00	0.00	0.00	417.00	691803.00	417.00	691803.00	

7	Providing house connection with polyethylene pipe of suitable diameter for water supply to the premises and testing and laying 32 mm OD MDPE pipe (PE80) manufactured in accordance with IS 4427 : 1988 with minimum required strength of 8 Mpa, hydraulic design stress of 6.3 Mpa and with minimum wall thickness of 3.3 mm by making the bore of 13 mm dia. size on the Board's supply mains of 100 mm dia. using drilling bits or machines only and laying the pipe line at a depth not less than 0.45 mtrs. from the road surface, including providing 40 mm dia. "A" class GI pipe as casing over the MDPE pipe from the bore point and upto the entrance of the premises and removing the stone slab covering of the drain and dismantling the size stone masonry wherever necessary and making bore in the wall of the premises. On entering the premises, connection should be continued with 20 mm GI pipe by making "U" shape for the meter point below the ground level by making pit with sufficient space for the easy installation and removal of the water meter and providing vertical stand pipes on both sides of the mater. The connection should be secured firmly on the Board's main pipe with SS / Brass . ferrule of size 1/2" x 3/4" and fixing the union joint and gate valve / stop cock before the meter point and a reflex valve / non-return valve should be fixed on the connection after the meter point. (All these fixtures should be of standard quality conforming to IS). The compression fittings for MDPE pipes conforming to ISO 14236 and its latest versions. The excavated trench should be refilled with soft selected earth and the dismantled masonry of the drain should be re-constructed with available size stones in CM 1:8 and providing coping in CC 1:3:6 wherever required and the stone slab covering should be refixed in position with pointing in CM 1:3 and also the bored wall of the premises should be re-done to the original position and the rates are inclusive of the cost of all the materials, cement, sand water etc., required for these works. The road suface should be	Nos/Rmt	638.00	241.00	279.00	67239.00	236.00	56876.00	515.00	124115.00	
8	KSRRB M400-6.1 : Construction of granular sub-base by providing close graded cushed stone aggregates of granite / trap / basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method For Grading-II Material (BwsSB SR 2016-17, P-280 I-20.4)	Cum	282.85	1571.00	99.36	156094.56	129.47	203389.52	228.83	359484.08	
9	Wet Mix Macadam, Providing.laying, spreading and compacting cushed stone aggregates of granite trap/basalt to wet mis macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of 4 mixed method of tipper to site, laying in uniform layers with paver in sub-base base course on well prepared surface and compacting with bratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406 (BwssB SR 2016-17)	Cum	471.42	1668.00	132.48	220976.64	183.89	306732.69	316.37	527709.33	

10	Refilling pipeline and foundation with selected trenches available earth form trench excavation and foundation inlcuding 5 watering, consolidation in layers of 15cms., thickness including disposing off the surplus earth with all leads & lifts.(BwsSB SR 2016-17, P-9 I-2)	Cum	2157.63	62.00	943.61	58503.69	974.25	60403.25	1917.85	118906.94	
11	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc. IN DISINTEGRATED ROCK, SOFT ROCK, SOFT SHALE AND MEDIUM HARD ROCK COMPRISING OF LIME STONE, SAND STONE, HARD SHALE, SCHIEST, FISSURED ROCK without resorting to blast etc. for:Pipes of all dia. for depth upto 2.0 M Note : If any shoring and strutting, will be paid separately:.(BWSSB SR 2017-18, P-51 I No-2.1)	Cum	34.90	404.00	34.90	14099.60	0.00	0.00	34.90	14099.60	
12	Dismantling the damaged or collapsed manhole of 4" dia conical in shape and reconstructing the same with machine made wire 6 brick in CM (1:4) as per design and specification of new cut manhole 4" dia with old frame and cover excluding bed concrete 13.6 (RwssR SR 2016-17, P-97, I-92 MTR DEPTH	Nos	43.00	7358.00	13.00	95654.00	18.00	132444.00	31.00	228098.00	
13	Providing and constructing "wire cut brick manhole chambers" using sulphate resistant cement, conical in shape at top with C.C. 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15 m alround the chamber and brick masonry in C.M. 1:4 plaster with wire cut bricks of approved quality and CM plaster 1:3 proportion 12 mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1:6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 graded metal of 20 mm and down size including conveying to work spot supplying & fixing SFRC manhole frame and cover confirming to IS:12592 with latest amendments in CC 1:2:4, supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia, Grade Fe-415 steel bar (as per IS 1786) staggered at 30 cms apart as detailed in Technical Specifications and as directed, watering, curring, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving manhole No. with flow irection on the inner conical surface etc., as per the drawing with wire cut bricks as per technical pecifications for the following diameters & depths by using Ordinary Port Land Cement. (inclusive of earthwork for all types of soil) (BwsSB SR 2017-18, P-80 I-83)	Nos									
	For 1.0 m depth		74.00	15704.00	36.00	565344.00	18.00	282672.00	54.00	848016.00	
	For 1.5 m depth		25.00	21479.00	4.00	85916.00	4.00	85916.00	8.00	171832.00	
	For 3 m depth		15.00	41745.00	0.00	0.00	12.00	500940.00	12.00	500940.00	

11	[illegible]										
13	Hire Charges for 2HP dewatering pump to bail out water at leaking pits inclusive of hire charges etc, complete Rs.1300/- per day of 8hours shift per day (BWSSB SR 16-17 Sl.No-4, P-34)	Days	13.00	1300.00	4.00	10400.00	4.00	5200.00	13.00	16900.00	
	EIRL Items										
EIRL-1	Providing and constructing "wire cut brick manhole chambers" using sulphate resistant cement, conical in shape at top with C.C. 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15 m alround the chamber and brick masonry in C.M. 1:4 plaster with wire cut bricks of approved quality and CM plaster 1:3 proportion 12 mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1:6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 graded metal of 20 mm and down size including conveying to work spot supplying & fixing SFRC manhole frame and cover confirming to IS:12592 with latest amendments in CC 1:2:4, supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia, Grade Fe-415 steel bar (as per IS 1786) staggered at 30 cms apart as detailed in Technical Specifications and as directed, watering, curring, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving manhole No. with flow irection on the inner conical surface etc., as per the drawing with wire cut bricks as per technical pecifications for the following diameters & depths by using Ordinary Port Land Cement. (inclusive of earthwork for all types of soil) (BwsSB SR 2017-18, P-80 I-83)-**Constructing Brick Masonry Circular Manholes 1.2 m internal dia.& 4.0 M depth include SFRC F&C ((BWSSB SR 17-18 Sl.No-104, P-169 T300)**	No's	6.00	39372.00	6.00	0.00	6.00	116433.00	6.00	116433.00	
	Sub-Total							**3331247.46**		**5087968.42**	
	12% GST on KPWD SR Items							**344.33**			
	4% KRIDL Charges							**133249.90**			
	Total							**3464841.69**			
	Amount in Words	**Rupees Thirty Four Lakh Sixty Four Thousand Eight Hundred Forty One and Paise Sixty Nine Only**									

Certificate:

1 Certified that the contractor has done the work satisfactorly
2 Certified that the debris has been removed from the site
3 Certified that the No dues from the contractor
4 Certified that the above item of the work were not claimed in any other bill

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

11	[illegible] 2016-17, Pg-10, Item-7)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Hire Charges for 2HP dewatering pump to bail out water at leaking pit inclusive of hire charges etc, complete Rs.1300/- per day of 8hours shift per day (BWSSB SR 16-17 Sl.No-4, P-34)	Days	13.00	1300.00	4.00	10400.00	4.00	5200.00	13.00	13000.00
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	Sub-Total							**3331247.46**		**5087968.42**
	12% GST on KPWD SR Items							**344.33**		
	4% KRIDL Charges							**133249.90**		
	Total							**3464841.69**		
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